

Resta Help Index

Welcome to Resta! A windows program that will give your screen a "rest!"

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What is Resta??

Resta is a screen saver for windows. It has many powerful and useful features:

- 1) Resta is free...
- 2) Resta allows you to "rest" your screen whenever you want too - just by moving the mouse to a corner specified by you.
- 3) Resta allows you not to "rest" your screen whenever you want to - just by moving the mouse to a corner specified by you
- 4) Resta allows you to choose the number of icons/rectangles displayed on the screen.
- 5) Resta allows you to choose the icon/rectangles/line repetition rate.
- 6) Resta allows you to choose an external icon (*.ico) to use as a saver.
- 7) Resta allows you to choose between icon, rectangle, and line saver types.
- 8) Resta allows you to choose whether to wake on mouse movement, key presses, or mouse button press. You can have all of these waking or just one or two.
- 9) Resta has encrypted password protection so you need a password to re-enter the system after it has "rested".
- 10) Resta allows you to choose if you want the screen blanked when running a Non Windows application
- 11) Resta allows you to save the configuration in the WIN.INI file.
- 12) Resta has context-sensitive on-line help.

What is a Screen Saver??

A screen saver stops image burn-in on a monitor. Image burn in is what happens when you leave your screen on, displaying the same image for a long period of time - eventually the image becomes burnt into the phosphor of the screen.

Resta stops this by blanking the screen and moving images around the screen so they do not remain in the same position for any long period of time.

Resta allows you to change the length of time it waits before it rests the screen while the keyboard or mouse are inactive.

Files you should have:

You need Microsoft Windows version 3.0 or later to use Resta.
These files should have come with your copy of Resta:

| Name: | Description: |
|------------|---|
| RESTA.EXE | The file you run to use Resta. |
| BUGS.ICO | A demonstration icon file. (16 colours) |
| BUGS2.ICO | A demonstration icon file. (2 colours) |
| RESTA.HLP | The documentation in Windows help format - use RESTA.EXE to access. |
| README.TXT | Text file on Resta. |
| RESTA.BUG | Form to fill in and send to the author if you find a bug. |

Commands:

About Resta

Help

Options...

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Save Configuration

Resta image radio buttons

Rectangle Options...

Line Options...

Icon Options...

Resta On/Off

About Resta... :

This option brings up a dialog box telling you the version number, the author's name, and how you can contact him.

Help:

This option will load the documentation in Windows help format - it can only be read on-line. For help on using Windows help select the Using Help from the Help menu of the Help program.

Options... :

The options dialog box lets you choose:

Delay time (in minutes & seconds).

Rest now & Rest never corners.

Wake on options

To Rest Dos Applications

Delay time (in minutes & seconds):

There are two delay boxes, one for seconds. The first is the time in minutes it takes before the screen is saved. The second is the time in seconds (on top of the minutes) it takes before the screen is saved. You can choose to have the delay time from 1 to 99 minutes, and 0 to 59 seconds.

The default for the delay time is 5 minutes 0 seconds.

Rest now & Rest never corners:

The rest never and rest now parts of the Options dialog box show you visually in what corner you can put your mouse cursor to rest the screen 5 seconds after you have put the mouse there, or in the case of rest never where you can put your cursor so it won't rest the screen at all.

In the rest now group box there are 4 buttons, you click on the corner you would like to put the mouse in to rest the screen 5 seconds after you have put the mouse there. If that corner is already selected as a rest never corner, the button will just click, and will not be selected. Otherwise, if not in use by a rest never corner, after being clicked, a capital S will be displayed in the button, to show that it is selected as the rest now corner.

The default for the Rest now corner is the top left corner.

In the rest never group box, there are 4 buttons, you click on the corner you would like to put the mouse in to not rest the screen as long as your mouse is there. If that corner is already selected as a rest now corner, the button will just click, and will not be selected. Otherwise, if not in use by a rest now corner, after being click, a capital S will be displayed in the button, to show that it is selected as the rest never corner.

The default for the Rest never corner is the top right corner.

NOTE: The rest never & rest now corners will only work with a mouse.

Wake on options:

There are three wake on options: Mouse movement, Mouse button, and Key press. Each option, when checked means it is on, indicating that when resting, that option will wake Resta up.

Mouse movement will wake Resta if the mouse is moved while resting.

Mouse button will wake Resta if the mouse button is pressed while resting.

Key press will wake Resta if a key is pressed while resting.

The default is to have all options on.

Rest Dos Applications:

This option when checked will tell Resta not to rest the screen if you are working in a Non-Windows application. See [Running Resta with Non-Windows applications \(386 enhanced mode only\)](#) for more information.

The default is off

NOTE: The above option will only be available if you are running in 386 enhanced mode. Please see your windows manual for more information on 386 enhanced mode and whether you can use it.

NOTE: Changing the options this way will not save them for next time you run Resta. To save the options for next time you run Resta go into the click on the Save Configuration button. This will add a [Resta] section to the WIN.INI file.

Password...

The password dialog box lets you choose:

The password to be used to return to the system after it has been rested.

The password status.

The password to be used to return to the system after it has been rested:

This box lets you enter the password you would like to use to stop other people looking at your data while you are away from your system. As you enter the password, instead of the text you typed, stars will appear, this is so people near your computer will not be able to see what your password is, and so won't have be able to access the data you are working on while you are away from your computer.

If you press OK, you will have to re-enter the password to make sure that you know it. If you re-enter it incorrectly you will be returned to the password dialog box.

If you press Cancel, none of the changes you have just made will be used.

The default is no password.

NOTE: If you have the password set at nothing, the password status will always be off.

The password status:

The password enabled box tells you if password protection is on or off. If the box is checked you will need to enter the password you have just entered to return to windows. If it is off, you will not require the password.

The default is password not enabled (off).

NOTE: While you are in this dialog box, the screen will not be rested, this is due to the encryption of the password being mucked up. If you would like to have your screen rested, and you know you will be away from your computer for a while, please press OK or Cancel, which will let your screen be rested.

Save Configuration :

This option will save the options (in all dialog boxes) in the you have selected to the WIN.INI file - this saves having to manually edit the WIN.INI file.

Here are all the options Resta uses. The text in italics are the suitable values for the fields. Do not type the text in italics into the WIN.INI! Anything greater or less than the suitable values will be ignored. You can change these manually if you would like:

[Resta]

Delay (min)= *This can be from 1 to 99. This is the delay in minutes before resting the screen.*

Delay (sec)= *This can be from 0 to 59. This is the delay in seconds before resting the screen.*

Icon Repetition Rate= *This can be from 1 to 3000. This number is the number of milliseconds to wait before drawing another icon on the screen*

Number of Icons= *This can be from 0 (or just a blank screen) to 99. This is the greatest number of icons to be on screen at one time.*

Rectangle Repetition Rate= *This can be from 1 to 3000. This number is the number of milliseconds to wait before drawing another rectangle on the screen.*

Number of Rectangles= *This can be from 0 (or just a blank screen) to 99. This is the greatest number of icons to be on screen at one time.*

Line Repetition Rate= *This can be from 1 to 3000. This number is the number of milliseconds to wait before moving another line.*

Password Status= 0 for password protection off. 1 for password protection on.

Password= *This is an encrypted string. **Please do not change it.** It will mean the password will not work.*

Icon= *This is the name of the icon file to be displayed if you have icon saver type selected. It is a filename.*

Path to Icon= *This is the path where the icon file selected is found: e.g: C:\windows\utils.*

Save Now Corner=*This can be between 1 and 4. This is the area of the screen where if you put your mouse it will blank your screen in 5 seconds.*

Save Never Corner=*This can be between 1 and 4. This is the area of the screen where if you put your mouse it will never blank your screen.*

Saver Type= *This can be from 1 to 3. This is the type of screen saver to be used. 1 = Rectangles, 2 = Lines, 3 = Icons.*

Saver enabled=0 for Resta not to be enabled. 1 for Resta to be enabled.

Wake on mouse move=0 for Resta not to wake on mouse movements. 1 for Resta to wake on mouse movements.

Wake on mouse button=0 for Resta not to wake on mouse button clicks. 1 for Resta to wake on mouse button clicks.

Wake on Key Press=0 for Resta not to wake on key presses. 1 for Resta to wake on key presses.

Rest Dos Application=0 for Resta to rest when a Dos application is being used. 1 for Resta not to rest when a Dos application is being used.

Resta Image Radio Buttons:

You have three options as to what your Resta image will be:

Random Rectangles

Lines

Icons

Random Rectangles:

This option displays rectangles in random positions, and of random sizes using the number of rectangles and the repetition rate you have defined in [Rectangle Options](#).

Lines:

This option displays lines moving around the screen using the repetition rate you have defined in [Line Options](#).

Icons:

This option displays icons in random positions, using an external icon (*.ico), the number of icons, and the icon repetition rate you have defined in [Icon Options](#).

Rectangle Options...

The Rectangle Options dialog box lets you choose:

The Rectangle repetition rate.

The number of rectangles.

The Rectangle repetition rate:

This option uses a scroll bar to allow you to choose the time it takes before another rectangle is created. You can choose from 1 thousandth of a second to 3 seconds by moving the scroll bar, either with your mouse or using keys. See your Windows User's Guide for more information on using scroll bars.

The default is 1 second.

The number of rectangles:

This option allows you to choose how largest number of rectangles you would like to see on screen at one time. You can choose from 0 (just a black screen) to 99.

The default is 5.

NOTE: You will only be able to get to this dialog box if you have the Rectangle Resta image type selected.

Line Options...

The Line Options dialog box lets you choose:

The line repetition rate.

The line repetition rate:

This option uses a scroll bar to allow you to choose the time it takes before another line is drawn. You can choose from 1 thousandth of a second to 1 second by moving the scroll bar, either with your mouse or using keys. See your Windows User's Guide for more information on using scroll bars.

The default is 10 thousands of a second.

NOTE: You will only be able to get to this dialog box if you have the Lines Resta image type selected.

Icon Options...

The Icon Options dialog box lets you choose:

The icon repetition rate.

The number of icons.

The external icon to be used.

The Icon repetition rate:

This option uses a scroll bar to allow you to choose the time it takes before another icon is created. You can choose from 1 thousandth of a second to 3 seconds by moving the scroll bar, either with your mouse or using keys. See your Windows User's Guide for more information on using scroll bars.

The default is 1 second.

The number of icons:

This option allows you to choose how largest number of rectangles you would like to see on screen at one time. You can choose from 0 (just a black screen) to 99.

The default is 5.

The external icon to be used:

This option allows you to choose the icon to be displayed if you have the icon Resta image type selected. There is a list box with the directories on the drive, the drive letters, and all the *.ico (icon format) files in the directory. Double click on an icon and the icon will be displayed in the box beside the list box. The path to the icon file is displayed just above the two boxes.

You can use an Icon Editor (there are many around) to create your own icons, or use the ones provided with Resta 2.1.

When you have your screen rested, provided you have the icon Resta image type selected, this icon will be displayed.

The default is no icon selected.

NOTE: Resta will not work with icon files with greater than 16 colours.

NOTE: You will only be able to get to this dialog box if you have the icon saver type selected.

Resta On/Off

This option lets you choose if Resta is to rest the screen or not. If there is a check mark in the box, Resta will rest your screen when either, the delay time is reached without you pressing a key or moving the mouse, or your move the mouse into a save now corner. If the check mark is not in the box, the screen will not be rested at all, this option is useful if you are going to be using a communications package, where a screen saver would slow it down. *The default is on.*

How to:

[Set up Resta](#)

[Run Resta](#)

[Use Resta](#)

[Upgrade from verison 1.0/2.0](#)

Setting up Resta :

You should have received Resta in a file called RESTA21A.ZIP - and it should have the files as listed in Files you should have.

To change Resta's settings while running Resta you can use the Options dialog box.

Select the Resta image type you would like, then go to the dialog box for that type and choose the options.

NOTE: Changing the options this way will not save them for next time you run Resta. To save the options for next time you run Resta go into the click on the Save Configuration button. This will add a [Resta] section to the WIN.INI file.

Running Resta:

To run Resta you have a few options:

1) Run Resta by using the Program Manager using the run option under the File menu. Type in the complete file name, including the path and choose OK.

Using the File Manager is also possible, select Resta in the correct directory & double click. These options are not useful if Resta is to be used often.

2) Run Resta by creating a icon from it in the Program Manager. This is a quite good option - however you will have to remember to run Resta every time you want to have you screen rested!

3) Run Resta every time Windows loads up - add this to the load line in the WIN.INI file: Drive:\xxxxxx\RESTA.EXE. If you are running Windows 3.1 or the Norton Desktop for Windows 1.0/2.0 you can drop RESTA.EXE from the file manager into the Startup group and Resta will run automatically with windows.

Drive stands for the drive that Resta is on (normally C) and xxxxxx is the directory that Resta is (normally \windows\utils\ or windows\resta\). Then of course it runs Resta! That's all there is to running it every time you load Windows! This is by far the best option, and I suggest you use Resta in this manner.

How to use Resta:

To use Resta to save your screen you have two options.

- 1) Set up the Delay time as outlined in [Setting up Resta](#), and wait for it to blank the screen.
- 2) Set up a Rest Now corner as outlined in Options... Move the mouse to the corner you specify, and when the screen is blank you can use move the mouse, press a mouse button or hit any key to unblank the screen - Resta will then take you back into the last application you were using.

Getting context sensitive help:

Resta provides help based upon the function you choose.

1. Press Shift+F1, the cursor changes to a cross & a cursor. Keep holding the keys down, and select an option.
2. When a dialog box displays, press F1.

Upgrading from version 1.0/2.0

To upgrade from version 1.0 you must replace all the version 1.0 files, and then load Resta in a windows session where version 1.0 has not been run before, and version 2.1a will run perfectly.

There are many new features in this version, so it would be a good idea to read this help file, to learn of the new features.

Upgrading from 2.0 is as simple as just replacing the files and then running 2.1a. There is only one new feature in this version: Rest Dos Applications in the options dialog box

Running Resta with Non-Windows applications: (386 enhanced mode only)

NOTE: The following information does not apply if you have Rest Dos Application selected in the Options... dialog box.

If you are using Resta with a Non-Windows application that is running full-screen then Resta won't blank the screen after the delay time inputted - instead it takes approximately six times as long. (that length depends on the PIF settings - see your Windows manual for more info on PIF settings)

If you are running Resta with a Non-Windows application in a window then Resta will blank the screen when it should e.g: if the delay time is one minute then Resta will blank the screen after one minute.

Here's where the problem lies:

When you run a Non-Windows program Windows stops finding out when keys have been pressed - which means that executing one of these programs Windows stops being able to determine whether the mouse has been moved or if the keyboard has been pressed - however windows still keeps it's timers going (so the clock still works for example) - Resta relies on the timer to work out when to blank the screen

Since Resta can't work out if you are still using your Non-Windows application or not - and Resta is there to provide complete protection for your monitor so Resta will blank the screen even if you are using your Non-Windows application.

Known bugs:

There are no known bugs at the time of release.

Disclaimer:

Resta 2.1a is distributed free. No warranty exists, either express or implied. No liability is assumed for any damage or loss resulting from the use of this program. No claims are made regarding the accuracy of this program. The author reserves the right to charge for future versions.

Copying info:

This program may be freely used and copied but may not be sold except for a nominal copying charge not to exceed US \$10. This file should be included with all copies of Resta 2.1a.

Revision history:

0.1 beta: This version came out of Pc Techniques August/September magazine. The source code to Monitor Saver was in there - I just typed it in - many thanks to Eric Anderson of Moon Valley Software for the code in the mag (Moon Valley software produce may great windows applications). I changed very little

0.2 beta: This version was the first real version with any of my changes:
The name was changed (to Win Blank - which I thought was boring so I changed it to Sleeper)
The cursor was changed to a cursor I drew..

0.3 beta: The name was changed from Sleeper to Resta after I found out Sleeper was the name of the screen saver with The Norton Desktop for Windows.
The menu code was rewritten - changed so all choices were made from the system menu.
A rest now option was added to the menu.
The restore, size, minimize and maximize menu options were removed from the system menu.

0.4 beta: The moving cursor was changed to moving icon(s)
An option in the Options dialog box and in the win.ini file were added to change the number of icons on the screen at one time.
Changed cursor to be transparent - so you didn't see it when the screen was rested.

0.5 beta: A bug was fixed where if you choose to switch to Resta from the task list it would come up in a window with no menu - now it just displays the icon when switching to it.
An option in the Options dialog box and in the WIN.INI file were added to chose how long to wait before drawing another icon.
Created documentation in Microsoft Write format

0.6 beta: A bug was fixed where if you choose to switch to Resta from the task list Resta wouldn't display it's icons correctly - it just displayed one and blanked the screen
A bug was fixed where if you had forgotten to put more paper in the printer and the screen was blanked the print manager dialog came up and Resta went to the background.
A bug was fixed where if you left the mouse in the menu bar area of a program the cursor wouldn't go away.
A problem was fixed in the Options dialog box where the edit box you had just selected still had the text highlighted.

0.7 beta: A menu option was added to save the configuration to the WIN.INI file.
Fixed a problem where if you changed the Delay time in the WIN.INI file to 0 it would never stop blanking the screen.
Fixed a potential problem where if the Delay was greater (in the WIN.INI) than 99 or the Icon Repetition Rate was greater than 5000 or the Number of icons were greater than 99 it would use that amount. Now if they are greater than those figures it will not go back to the defaults.

0.8 beta: Fixed a problem where if you looked at the About or Options dialog box and left the screen to blank - when you came back to use a Resta menu option you were not able to get into the menu.
Online, context sensitive help was added.
Fixed problems with the context-sensitive help not working when selecting the dialog boxes or using the move or close items.

1.0: The first public release version!!

1.1 beta: Encrypted password protection was added.

Moving lines were added. The idea came from a program that ran on the Windows desktop and displayed lines.

Line options and the encrypted password were added to the save configuration option.

External icon loading was added. The basis of the format came from Pc Magazine March 26, 1991.

Random rectangles were added.

Visual Rest now and Rest never options were added to the options dialog box.

1.2 beta: The system menu options were discarded, everything is now done from a dialog box window.

An option to wake on whatever desired means (mouse movement, key press, mouse button) was added.

The wake on dialog box was incorporated into the Options... dialog box.

The Load icon dialog box was incorporated into the Icon Options dialog box.

1.3 beta: 2 colour icon support was added.

Password protection was improved. The password choosing dialog box now shows the password as stars instead of normal text.

Line problems were fixed. After about 15 minutes of saving it would crash the system with a divided by 0 error. It would also just end up moving lines straight across the screen, this was fixed, but there is a little flicker every time it updates itself.

Dialog box problems were fixed.

1.4 beta: Changed the Resta image type options, so that if you don't have the type selected you can't enter that types dialog box.

Changed the edit box in the (type) option dialog boxes to scrollbars.

Documentation in Write file format was removed.

2.0: Second public release!!

2.1 Third public release!!

Added the option to not rest if a Dos application had the focus.

Made the non selected saver types have greyed buttons.

2.1a Bug fix version :-)

Loads the icon from the WIN.INI when it is loaded, so you don't get a blank screen if you haven't been into the icon selection dialog box.

Now selects the file you have chosen in the file selection box of the icon dialog box.

Future Enhancements :

User-definable bitmap patterns as savers.
A total re-write of the code, as it is getting too large.
And anything else users suggest....

About the Author:

Stefan Olson is 15 years old and this is the first windows program he's written. He hopes to get a job as a programmer one day in the future (anyone looking for a young programmer??), and has many other windows programs waiting to be written. These include : a disk cataloguer (at the time of writing (June 1991) WinCat was is beta test), a windows unarchiver and archiver, a screen capture program (also now in alpha test) with the ability to save the captured picture to .bmp, and icon viewer/editor...

How to contact the author:

The author can be contacted through the Internet at (don't type the brackets):
(stefan@olson.acme.gen.nz) or (olson_s@kosmos.wcc.govt.nz).

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stefan@olson.acme.gen.nz) (olson_s@kosmos.wcc.govt.nz).

I'd appreciate it if you'd send me a mail message if you have any bugs, comments or suggestions...

Programs and books used to write this program:

Resta was written in C using Borland Turbo C++ for Windows 3.0.

Resta was debugged using Borland Turbo Debugger for Windows 3.0

Resta's icons and dialogues were written using Borland Resource Workshop 1.01(comes with Turbo C++ for Windows)

Resta's documentation was written in Lotus Ami Pro for Windows release 2.0 and then saved to RTF (help file) format, before the RTF file being compiled using the Microsoft help compiler.

I used the Microsoft Programmers Reference and the Turbo C++ for Windows on-line help to find the correct commands.

I used Charles Petzold's "Programming Windows" (Microsoft Press, 1990) to learn windows programming.

I used Programming Techniques Aug/Sept 1990 - for the basic idea of how to write the screen saver.

I used Pc Magazine March 26, 1991 for the basis of the icon format.

Trademarks:

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Ami Pro is a trademark of Lotus Development Corporation.

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